

FIG.1

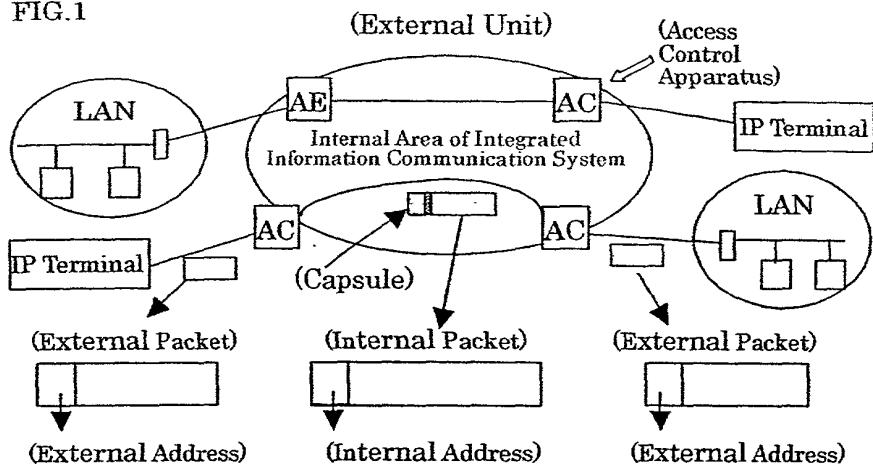


FIG.2

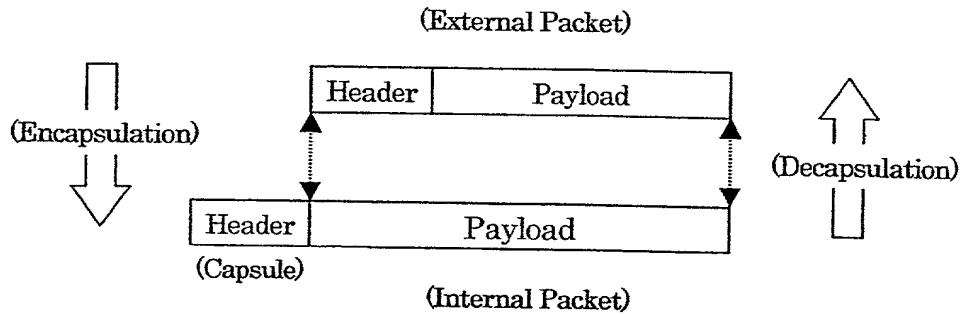


FIG.3

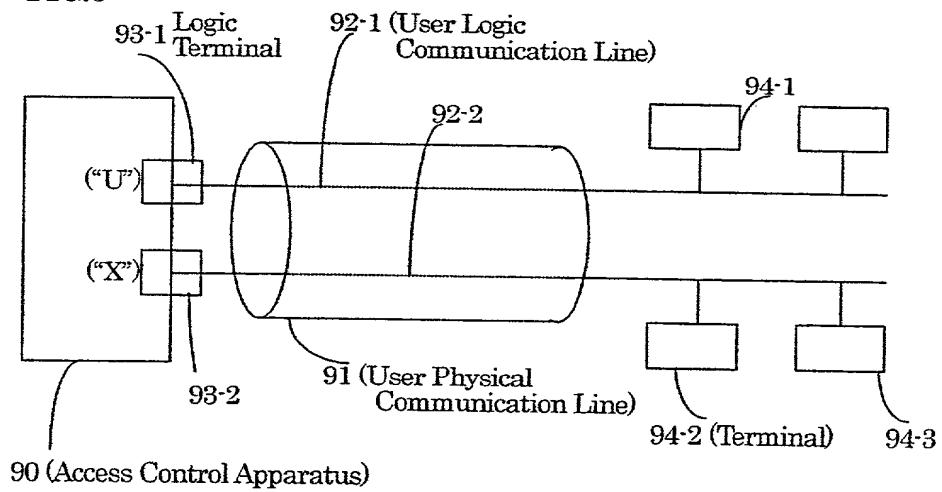
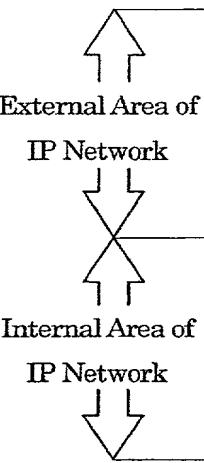


FIG.4

 <p>External Area of IP Network</p> <p>Internal Area of IP Network</p>	<p><u>Private Address</u> <u>Communication Range</u> (Directed to Intra-Corporation Communication)</p>	<p><u>Non-Private Address</u> <u>Communication Range</u> (Directed to Inter-Corporation Communication)</p>
	<p><u>Range of Address Which is</u> <u>Not Opened Outside</u> <u>Network</u> (Address for Encapsulation) (Internal Address of Communication Company)</p>	<p><u>Range of Address Which is</u> <u>Opened Outside Network</u> (Directed to Non-Capsulation Communication)</p>

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FIG.5

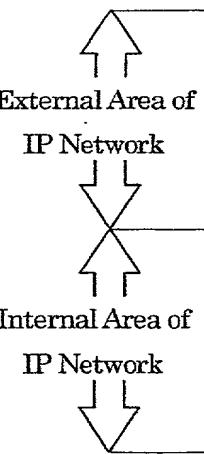
 <p>External Area of IP Network</p> <p>Internal Area of IP Network</p>	<p><u>Private Address</u> <u>Communication</u> <u>Range</u> (Directed to Intra-Corporation Communication)</p>	<p><u>Prohibited-Address</u> <u>Range</u></p>	<p><u>Non-Private Address</u> <u>Communication Range</u> (Directed to Inter-Corporation Communication)</p>
	<p><u>Range of Address Which is</u> <u>Not Opened outside Network</u> (Address for Encapsulation) (Internal Address of Communication Company)</p>		<p><u>Range of Address Which is</u> <u>Opened outside Network</u> (Directed to Non-Capsulation Communication)</p>

Fig 6

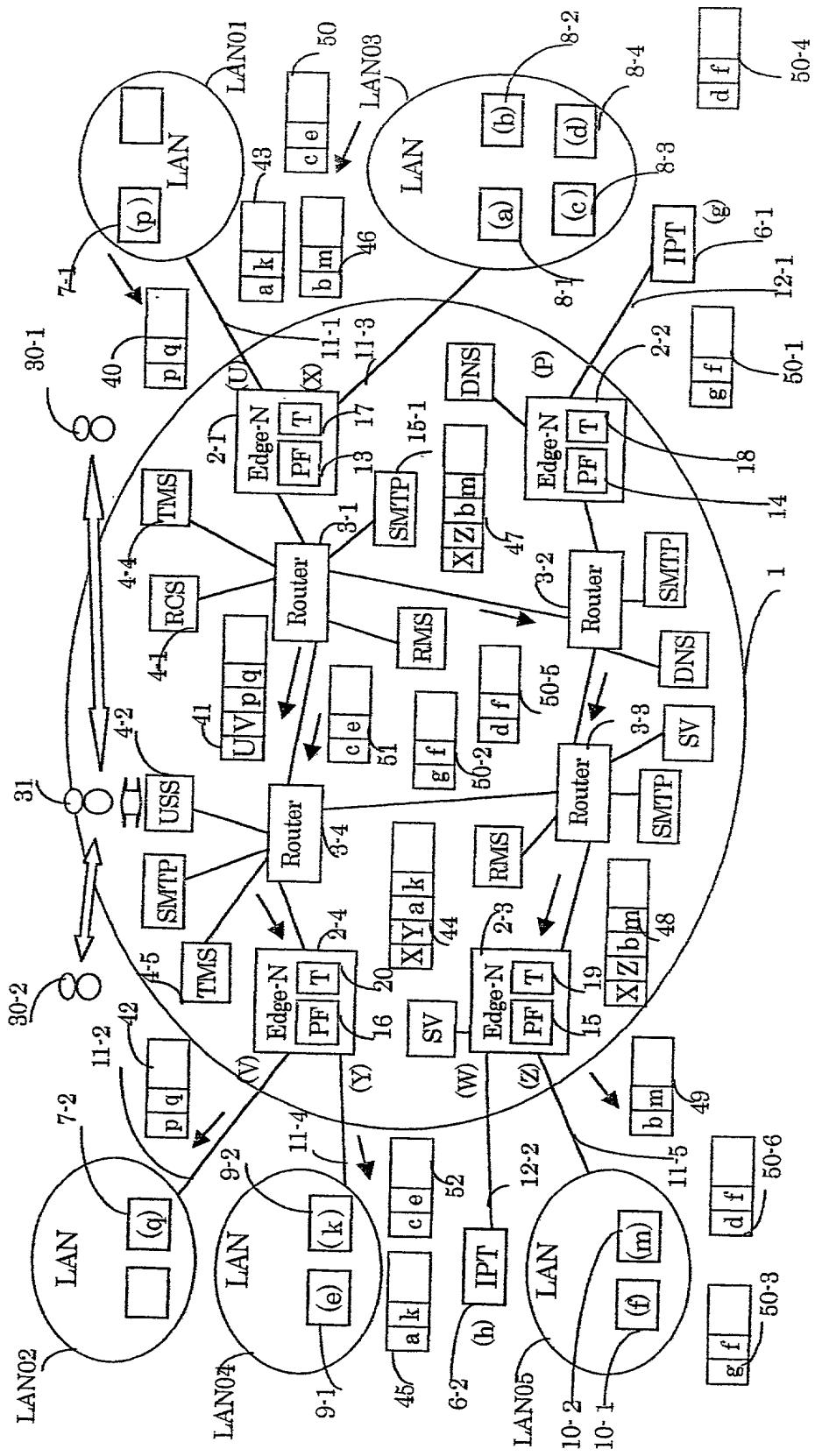


FIG.7

Internal Source Address	External Source Address	External Destination Address	Internal Destination Address	Request Identification	Priority Degree	Charge Identifier
U	—	—	V	3	4	Fa01
X	a	k	Y	1	2	Fa02
X	b	m	Z	1	2	Fa03
X	c	—	—	2	0	Fa04
X	d	f	—	2	0	Fa05
...

FIG. 8

Internal Source Address	External Source Address	External Destination Address	Internal Destination Address	Request Identification	Priority Degree	Charge Identifier
P	—	f	—	2	0	Fb01
•	•	•	•	•	•	•

FIG. 9

FIG. 10

FIG.11

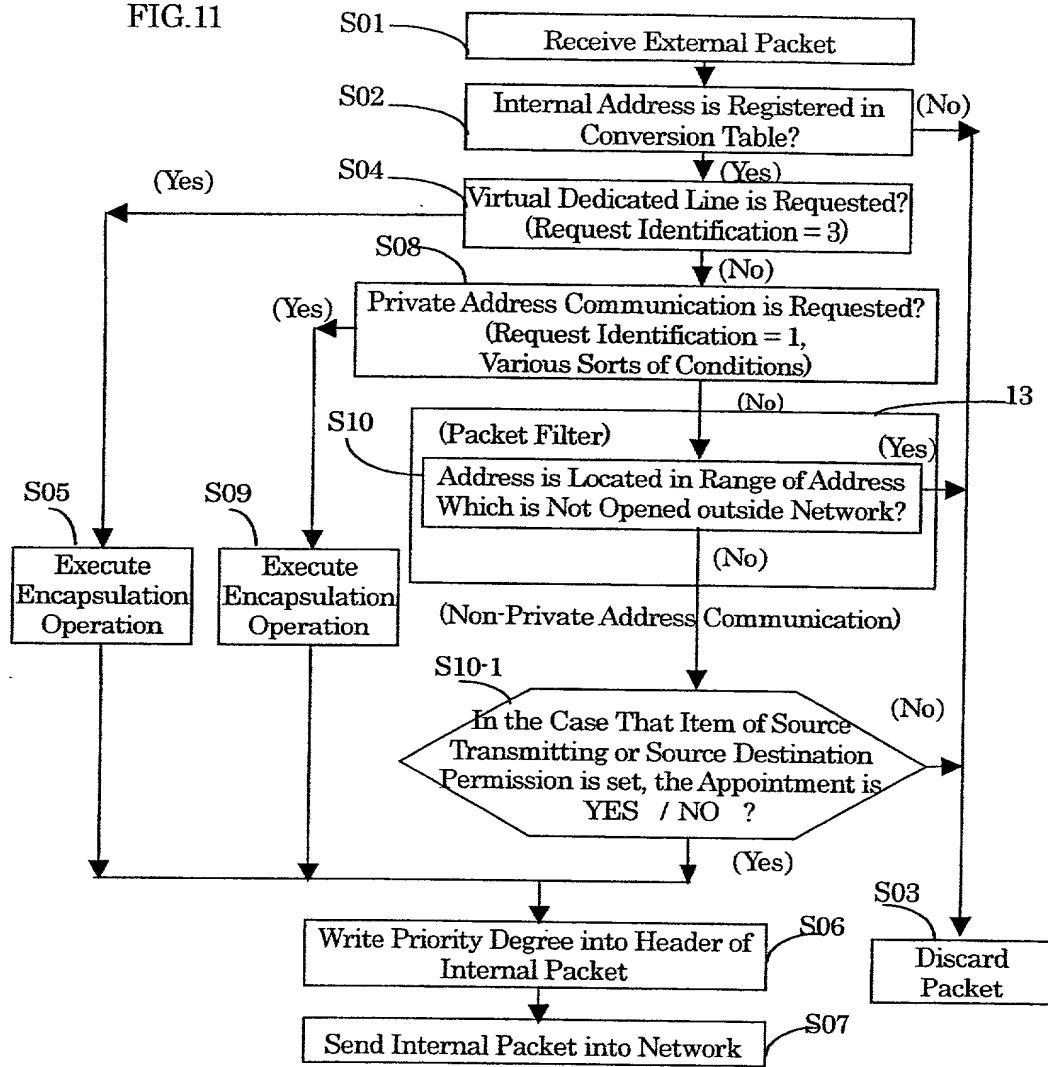


FIG.12

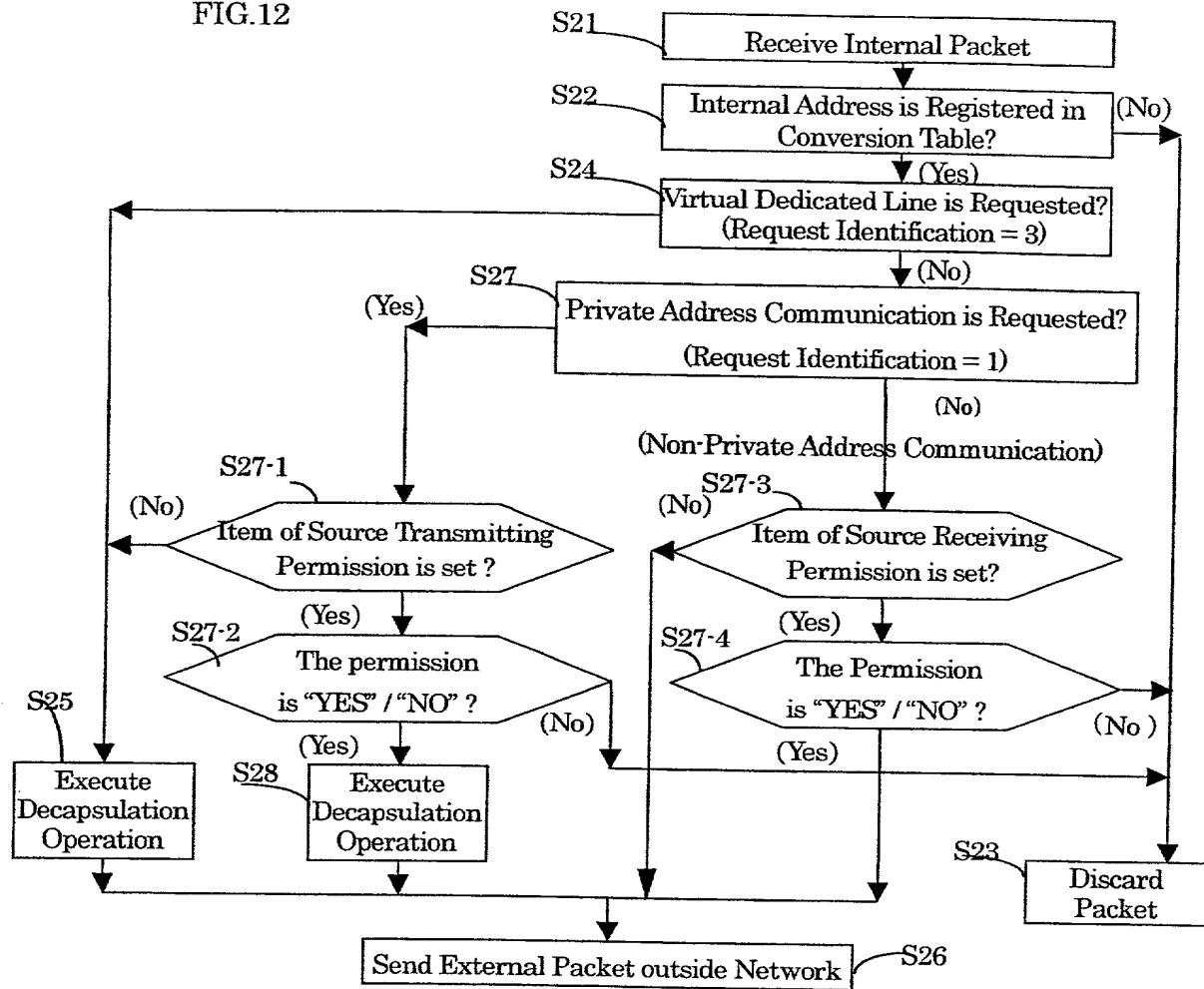


FIG. 13

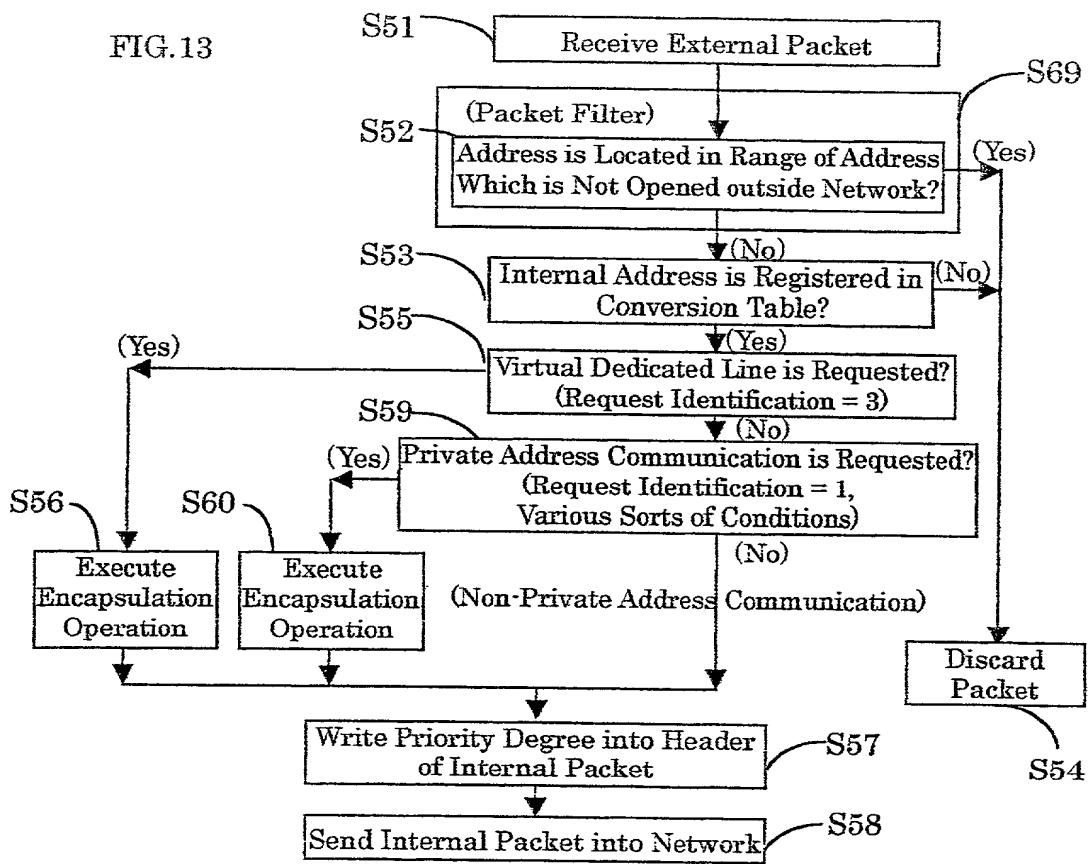


FIG.14

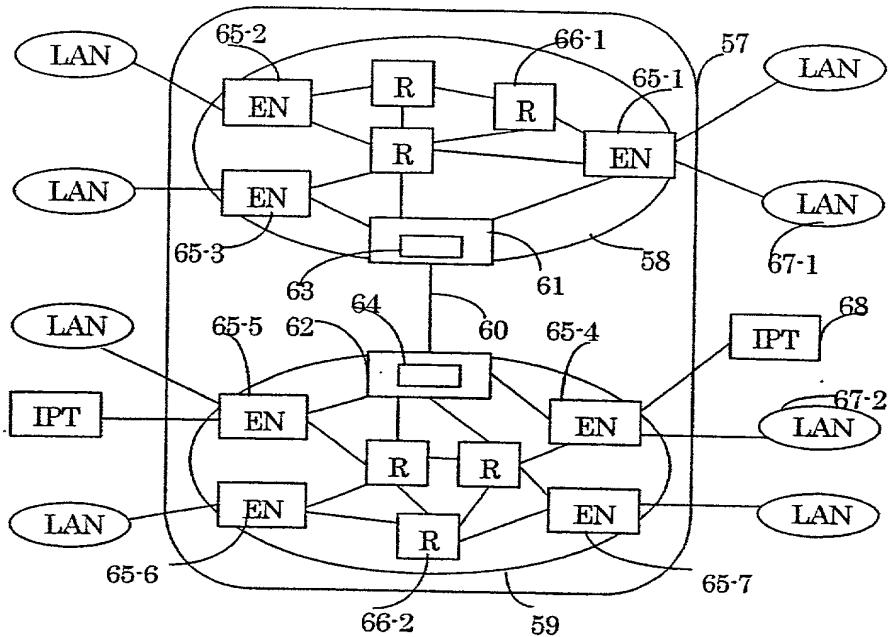


FIG.15

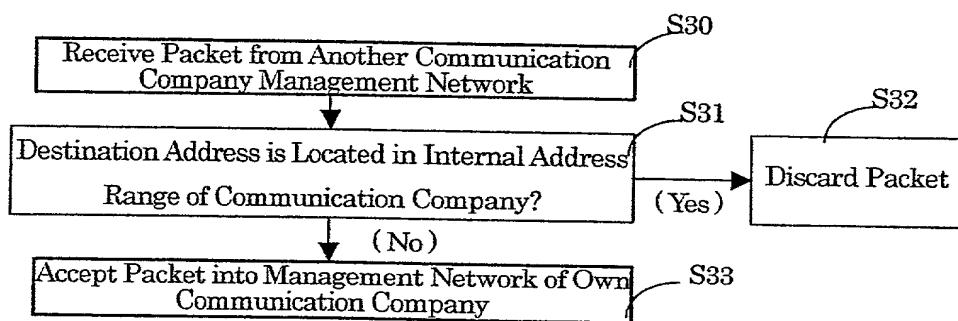


FIG.16

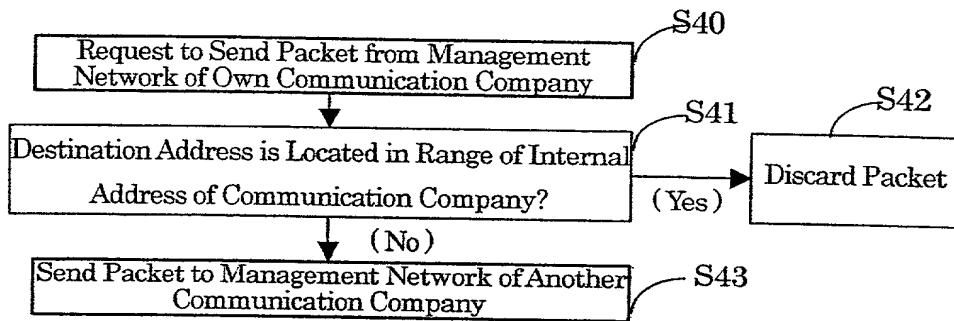


FIG.17

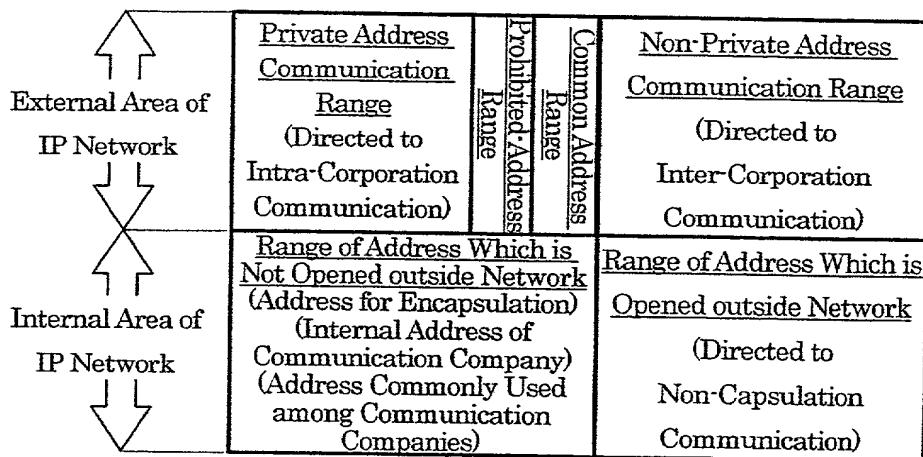


FIG.18

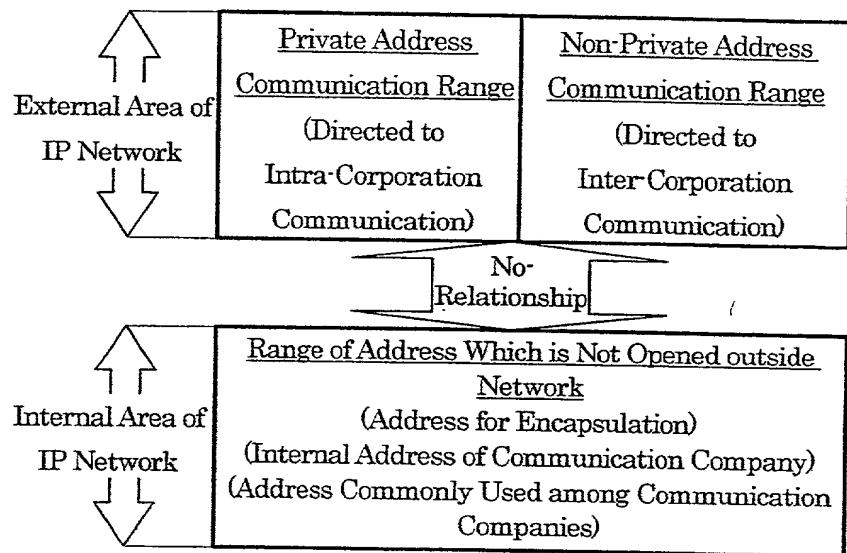


FIG.19

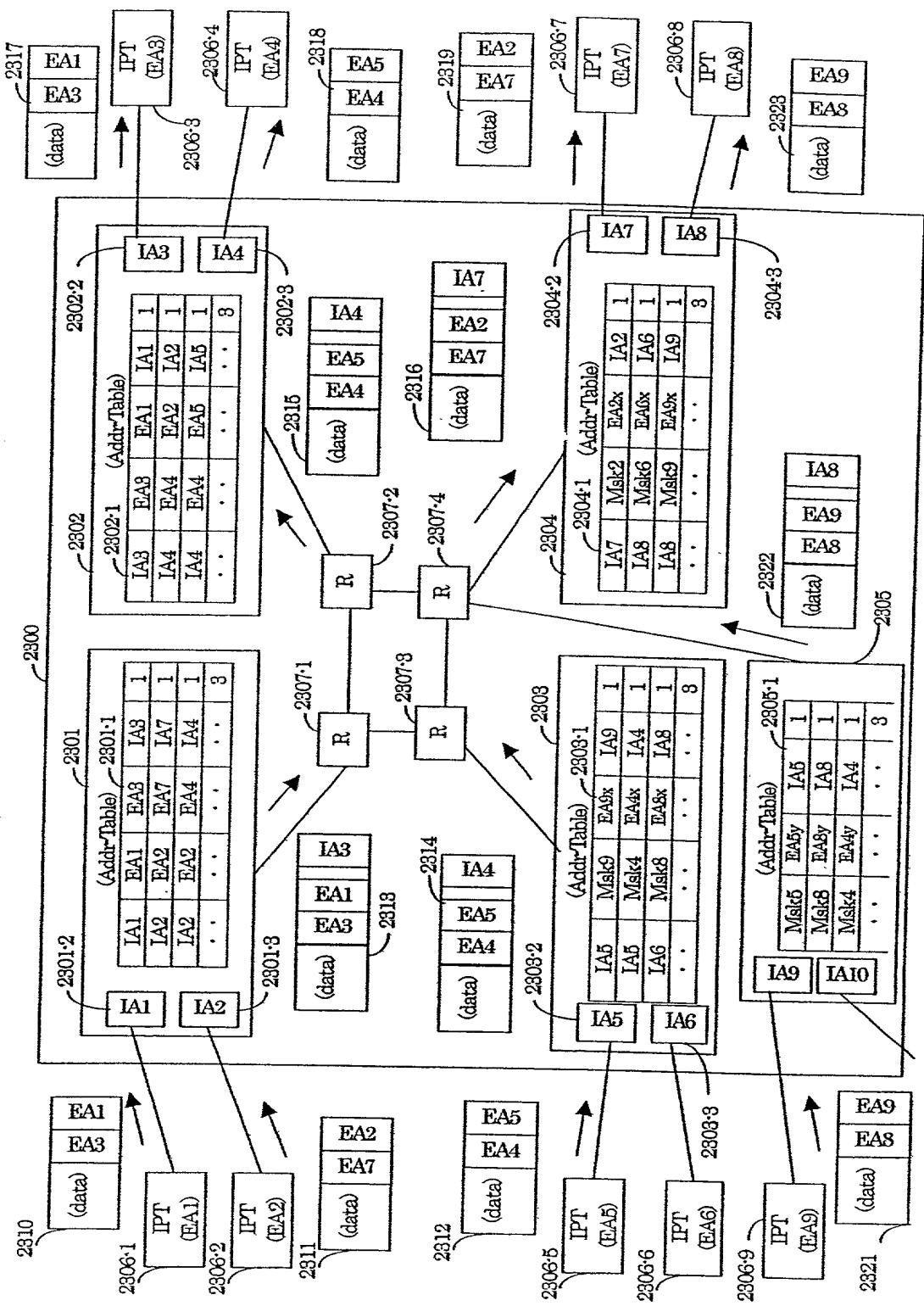


FIG.20

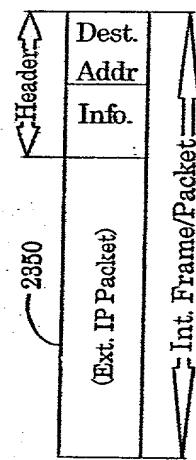


FIG.21

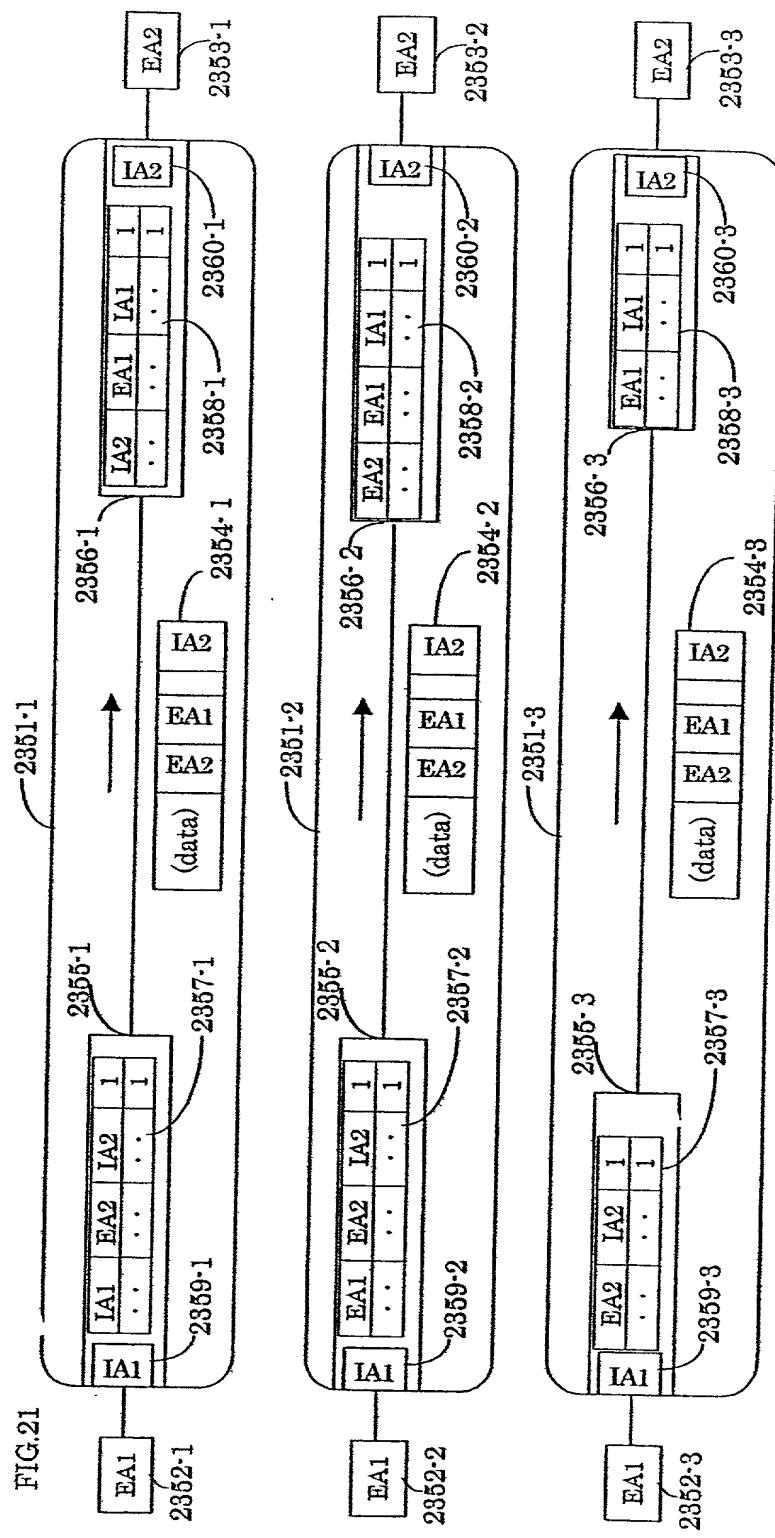


FIG. 22

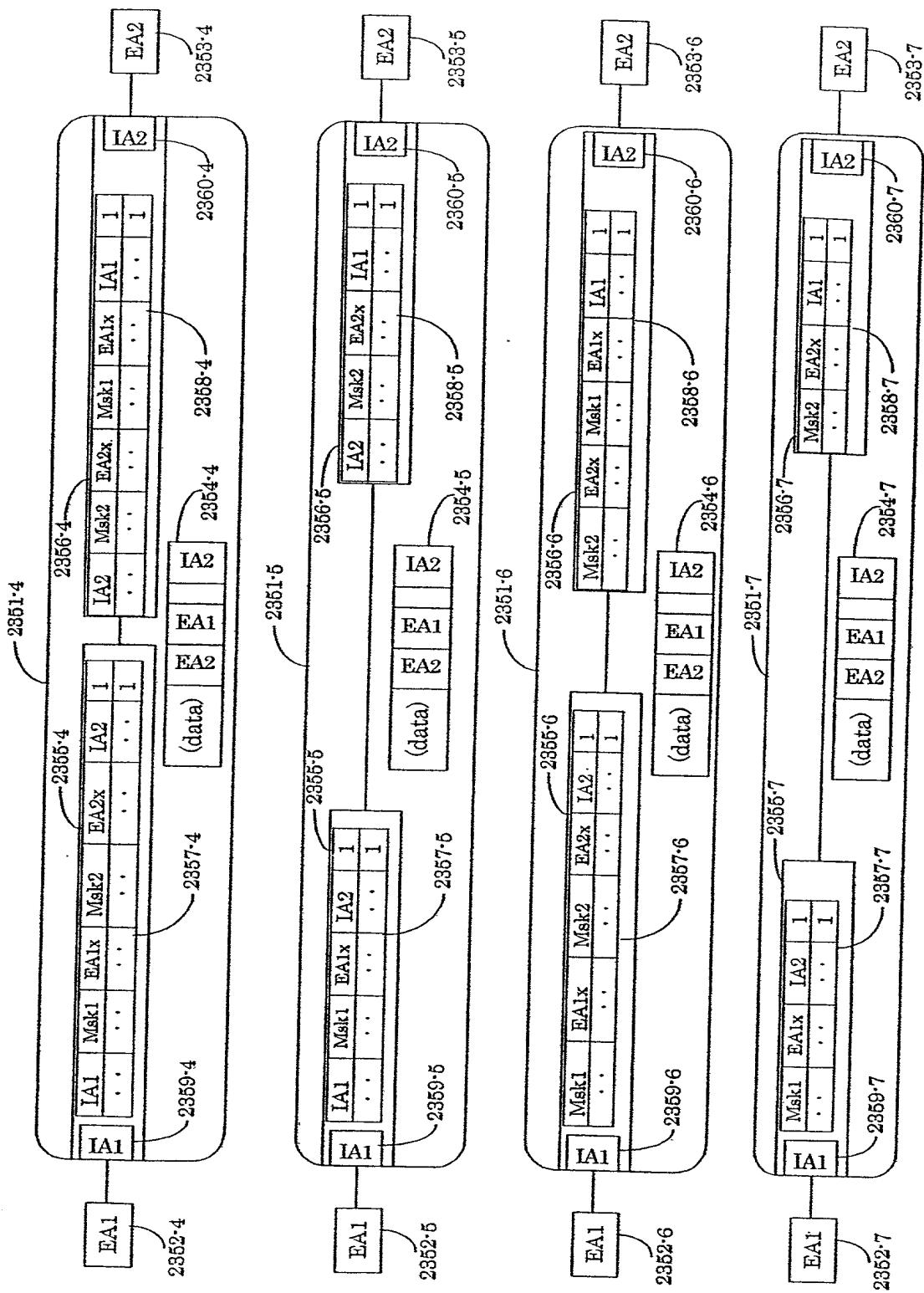


FIG.23

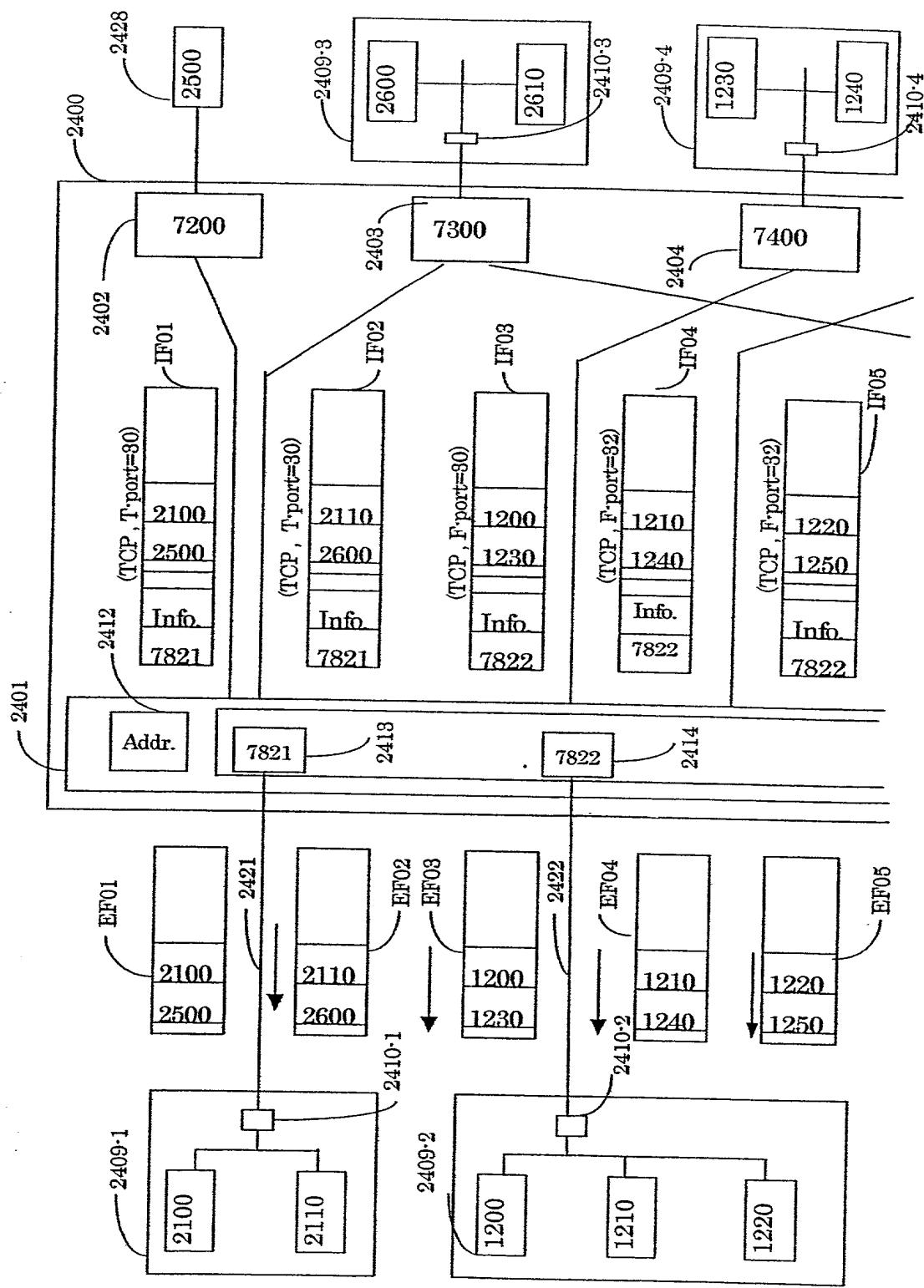


FIG.24

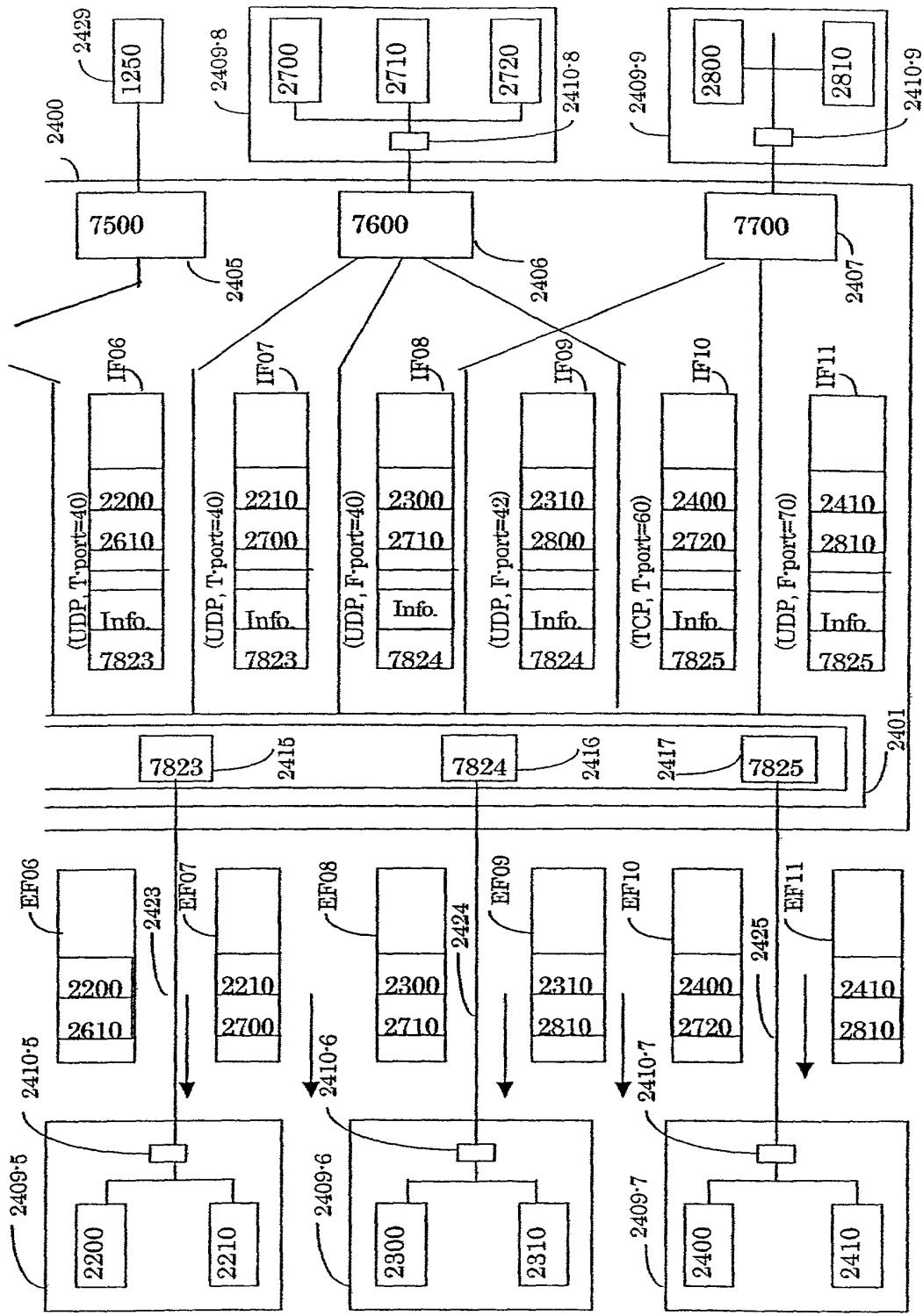


FIG.25

(Address Management Table)						
Internal Source Address	External Source Address	External Destination Address	Internal Destination Address	Request Identification	Packet Reception Priority Symbol	Closed-Area Identifier
7821	2100	2500	7200	1	pr7821	1
7821	2110	2600	7300	1	pr7821	1
7822	1200	1230	7400	1	pr7822	2
7822	1210	1240	7400	1	pr7822	2
7822	1220	1250	7500	1	pr7823	3
7823	2200	2610	7300	1	pr7823	3
7823	2210	2700	7600	1	pr7824	3
7824	2300	2710	7600	1	pr7824	3
7824	2310	2800	7700	1	pr7825	3
7825	2400	2720	7600	1	pr7825	3
7825	2410	2810	7700	1	pr7825	3
...	...	...	...	3	...	...

2412-2			
Packet Reception Priority Symbol	Protocol Priority Degree	TCP Socket Priority Degree	UDP Socket Priority Degree
pr7821	p-1	t1	NULL
pr7822	p-1	t2	NULL
pr7823	p-2	NULL	u-1
pr7824	p-2	NULL	u-2
pr7825	p-1	t3	u-3
...

2412-3	
Protocol Priority Degree (High Priority Degree - Low Priority Degree)	
p-1	TCP, UDP, ICMP, IGMP
p-2	UDP, TCP, ICMP, IGMP
p-3	ICMP, IGMP, UDP, TCP,

2412-4	
TCP Socket Priority Degree	
t1	sk-1, sk-7
t2	sk-2
t3	sk-5

2412-5	
UDP Socket Priority Degree	
u-1	sk-3, sk-8
u-2	sk-4
u-3	sk-6

2412-6			
Socket Designation			
Socket Code	From/ To	IP- Address	port No.
sk-1	To	2100	30
sk-2	From	1240	32
sk-3	To	2200	40
sk-4	From	2710	40

2412-7			
Socket Designation			
Socket Code	From/ To	IP- Address	port No.
sk-5	To	2400	50
sk-6	From	2810	52
sk-7	From	2600	130
sk-8	From	2700	140

FIG.26

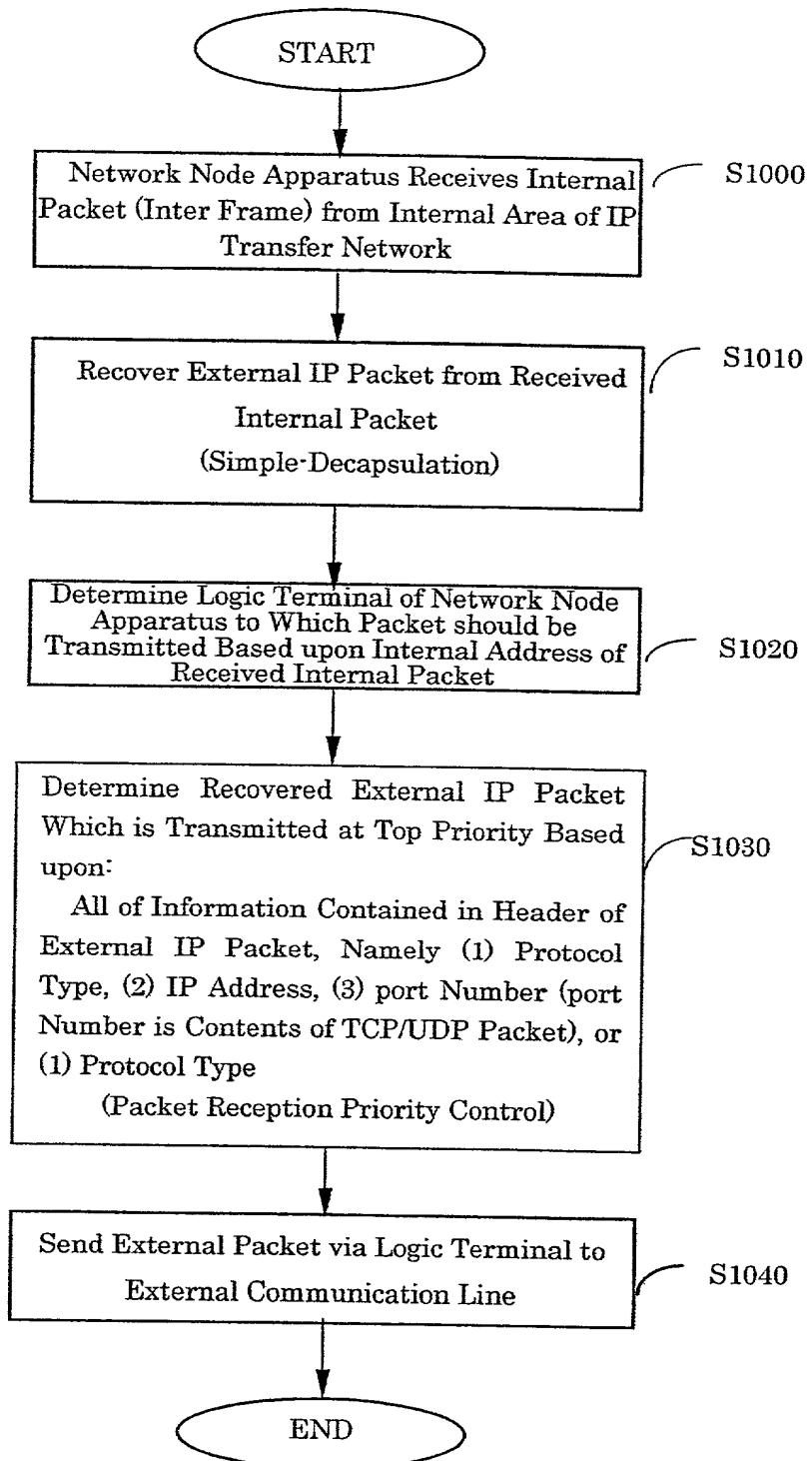


FIG.27

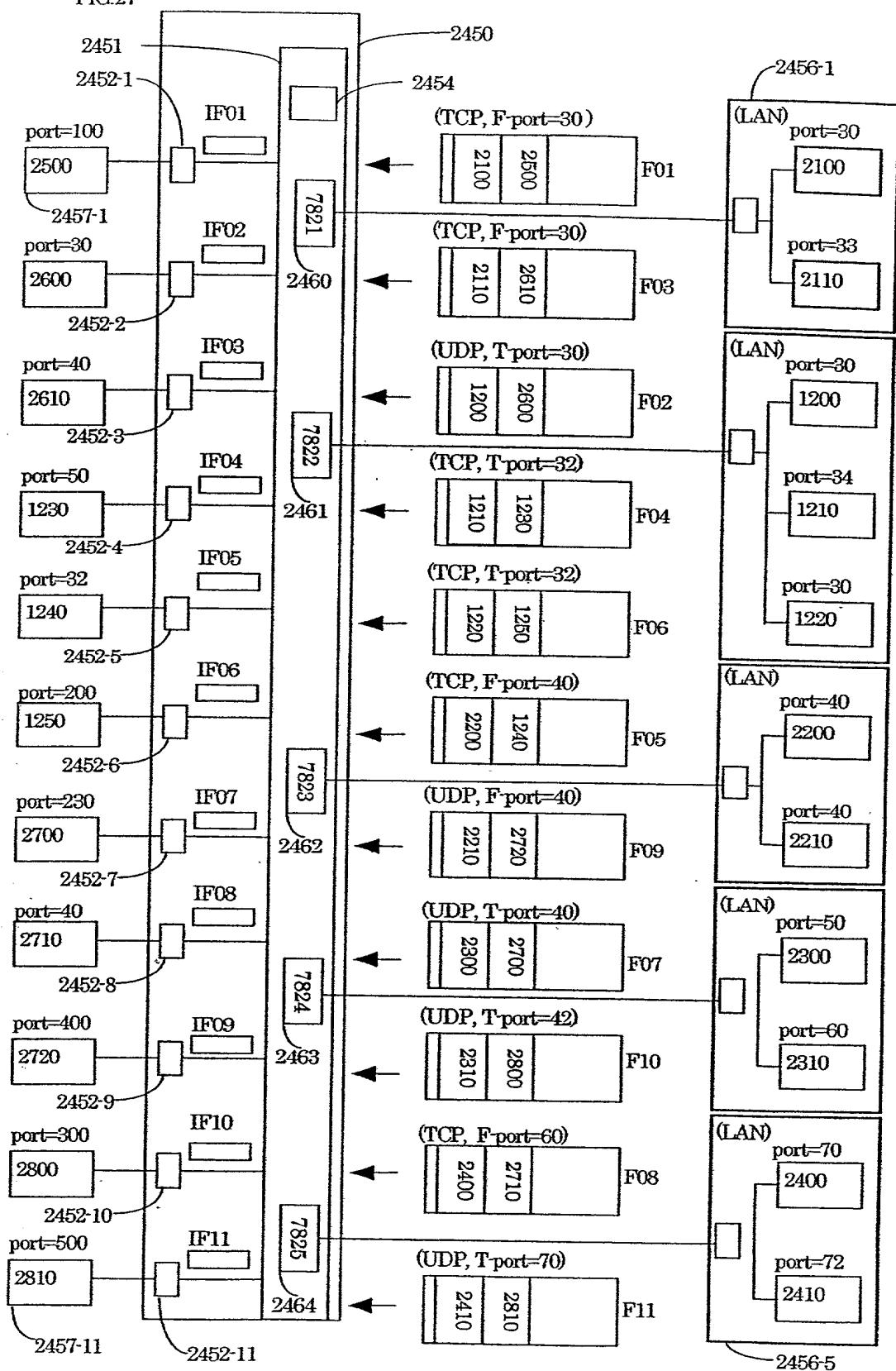


FIG.28

(Address Management Table)

Internal Source Address	External Source Address	External Destination Address	Internal Destination Address	Request Identification	Packet Transmission Priority Symbol	Closed Area Identifier
7821	2100	2500	7200	1	ps7200	2
7821	2110	2610	7300	1	ps7300	2
7822	1200	2600	7201	1	ps7200	2
7822	1210	1230	7301	1	ps7300	2
7822	1220	1250	7401	1	ps7400	2
7823	2200	1240	7400	1	ps7400	2
7823	2210	2720	7600	1	ps7600	5
7824	2300	2700	7500	1	ps7500	5
7824	2310	2800	7601	1	ps7600	5
7825	2400	2710	7501	1	ps7500	5
7825	2410	2810	7602	1	ps7600	5
..	..	..	..	3	..	..

Packet Transmission Priority Symbol	Protocol Priority Degree	TCP Socket Priority Degree	UDP Socket Priority Degree
ps7200	p21	t21	NULL
ps7300	p21	t22	NULL
ps7400	p22	NULL	u21
ps7500	p22	NULL	u22
ps7600	p21	t23	u23
ps0000	NULL	NULL	NULL

Protocol Priority Degree (High Priority Degree - Low Priority Degree)	
p21	TCP, UDP, ICMP, IGMP
p22	UDP, TCP, ICMP, IGMP
p23	ICMP, IGMP, UDP, TCP,

TCP Socket Priority Degree	
t21	sk21, sk27
t22	sk22
t23	sk25

UDP Socket Priority Degree	
u21	sk23, sk26
u22	sk24
u23	sk28, sk24

Socket Designation			
Socket Code	From / To	IP-Address	port No.
sk21	From	2110	30
sk22	To	1250	32
sk23	From	NULL	40
sk24	From	2210	40

Socket Designation			
Socket Code	From / To	IP-Address	port No.
sk25	From	2400	60
sk26	To	NULL	42
sk27	To	2600	130
sk28	From	2410	70

FIG.29

